



Model TF500T GY

# Tychem® 6000

DuPont™ Tychem® 6000 , model TF500T GY. Sleeve. Stitched and over-taped seams. Grey.

| Name             | Description              |
|------------------|--------------------------|
| Full Part Number | TYFPS30SGYA0             |
| Fabric/Materials | Tychem® 6000             |
| Design           | Sleeve with elastics     |
| Seam             | Stitched and over-taped  |
| Color            | Grey                     |
| Quantity/Box     | 400 per box, bulk packed |

## FEATURES & PRODUCT DETAILS

DuPont™ Tychem® 6000, model TF500T GY. 45cm long and with wide elastics at cuffs and upper arm. Available in grey and in one size.

Specially designed for use with Tychem® apparel, Tychem® accessories can help offer enhanced protection for body parts that are more exposed to hazardous substances.

Tychem® 6000 garments and accessories are made from a lightweight and durable fabric consisting of a proprietary barrier film laminated to a heavy duty Tyvek® substrate. They offer excellent chemical permeation protection to an extensive range of chemicals, helping to protect personnel against numerous toxic industrial organic chemicals, highly concentrated inorganic chemicals (even under pressure), particulates, biohazards and certain chemical warfare agents.

Tychem® 6000 is used for a broad range of applications from chemical spill clean-up, emergency response, to military and petrochemical applications.

- Available in one size (45cm long)
- Antistatic treatment (EN 1149-1) - on inside; see footnotes
- EN 14126 (barrier to infective agents).

#### **ADDITIONAL EQUIPMENT NEEDED**

- This garment only provides partial body coverage. It may be worn in combination with other chemical resistant PPE as required based on the hazard assessment.
- This garment only provides partial body coverage. It may be worn in combination with other chemical resistant PPE as required based on the hazard assessment.
- Wear other appropriate PPE such as, but not limited to, respiratory, eye, head, hand, and foot protection based on the hazard assessment.

## Physical Properties



Data relating to mechanical performance of the fabrics used in DuPont chemical protective clothing, listed for the selected garment according to the test methods and relevant European standard, if applicable. Such properties, including abrasion and flex-cracking resistance, tensile strength and puncture resistance can help in the assessment of protective performance.

| Property                                           | Test Method          | Typical Result                                    | EN          |
|----------------------------------------------------|----------------------|---------------------------------------------------|-------------|
| Abrasion Resistance <sup>7</sup>                   | EN 530 Method 2      | >2000 cycles                                      | 6 of 6<br>1 |
| Basis Weight                                       | DIN EN ISO 536       | 120 g/m <sup>2</sup>                              | N/A         |
| Bursting Strength (Mullenburst)                    | ISO 2758             | 610 kPa                                           | N/A         |
| Colour.                                            | N/A (598)            | Grey                                              | N/A         |
| Exposure to high Temperature                       | N/A (598)            | Garments seams opens at 98°C                      | N/A         |
| Exposure to low Temperature                        | N/A (598)            | Flexibility retained down to -73°C                | N/A         |
| Flex Cracking Resistance <sup>7</sup>              | EN ISO 7854 Method B | >1000 cycles                                      | 1 of 6<br>1 |
| Flex Cracking Resistance at -30 °C                 | EN ISO 7854 Method B | >1000 cycles                                      | N/A         |
| Puncture Resistance                                | EN 863               | 26 N                                              | 2 of 6<br>1 |
| Resistance to Ignition <sup>7</sup>                | EN 13274-4 Method 3  | No after flame, no drop formation, hole formation | N/A         |
| Resistance to water penetration                    | DIN EN 20811         | >30 kPa                                           | N/A         |
| Surface Resistance at RH 25% <sup>7</sup>          | EN 1149-1            | ≤ 2,5x10 <sup>9</sup> Ohm                         | N/A         |
| Surface Resistance at RH 25%, outside <sup>7</sup> | EN 1149-1            | No antistatic treatment                           | N/A         |

|                                  |                    |        |             |
|----------------------------------|--------------------|--------|-------------|
| Tensile Strength (MD)            | DIN EN ISO 13934-1 | 240 N  | 3 of 6<br>1 |
| Tensile Strength (XD)            | DIN EN ISO 13934-1 | 245 N  | 3 of 6<br>1 |
| Thickness (PPSH-249)             | DIN EN ISO 534     | 210 µm | N/A         |
| Trapezoidal Tear Resistance (MD) | EN ISO 9073-4      | 40 N   | 2 of 6<br>1 |
| Trapezoidal Tear Resistance (XD) | EN ISO 9073-4      | 35 N   | 2 of 6<br>1 |

1 According to EN 14325 2 According to EN 14126 3 According to EN 1073-2 4 According to EN 14116 12  
According to EN 11612 5 Front Tyvek ® / Back 6 Based on test according to ASTM D-572 7 See Instructions for  
Use for further information, limitations and warnings > Larger than < Smaller than N/A Not Applicable STD DEV  
Standard Deviation

GARMENT PERFORMANCE



Information relating to the protective performance of a garment according to European standards where applicable. Includes important characteristics such as protection against radioactive contamination, seam strength and shelf life. Inward leakage and resistance to penetration by liquids, according to the relevant Type classification, are also detailed.

| Property              | Test Method | Typical Result | EN                  |
|-----------------------|-------------|----------------|---------------------|
| Seam Strength         | KOSHA       | >300 N         | 5 of 6 <sup>8</sup> |
| Shelf Life (PPSH-190) | N/A (598)   | 5 years        | N/A                 |

1 According to EN 14325    3 According to EN 1073-2    12 According to EN 11612    13 According to EN 11611    5 Front Tyvek ® / Back    6 Based on test according to ASTM D-572    7 See Instructions for Use for further information, limitations and warnings    11 Based on the average of 10 suits, 3 activities, 3 probes    > Larger than    < Smaller than    N/A Not Applicable    \* Based on lowest single value

COMFORT



The comfort of a protective garment during use is largely determined by its weight, its permeability to vapour and air (breathability) and insulating properties. Data on these attributes is provided according to test method and, as with other data, can be compared by garment.

| Property                         | Test Method | Typical Result | EN  |
|----------------------------------|-------------|----------------|-----|
| Air Permeability (Gurley method) | ISO 5636-5  | No             | N/A |

2 According to EN 14126    5 Front Tyvek ® / Back    > Larger than    < Smaller than    N/A Not Applicable

## PENETRATION AND REPELLENCY



A specific test method, EN ISO 6530, is used to measure the indexes of penetration, absorption and repellency of protective clothing material exposed to liquid chemicals. Results listed here reflect the penetration resistance and repellency of DuPont fabrics to 30% sulphuric acid and 10% sodium hydroxide.

| Property                                                     | Test Method | Typical Result | EN                  |
|--------------------------------------------------------------|-------------|----------------|---------------------|
| Repellency to Liquids, Butan-1-ol                            | EN ISO 6530 | <1 %           | 3 of 3 <sup>1</sup> |
| Repellency to Liquids, Sodium Hydroxide (10%)                | EN ISO 6530 | <1 %           | 3 of 3 <sup>1</sup> |
| Repellency to Liquids, Sulphuric Acid (30%)                  | EN ISO 6530 | <1 %           | 3 of 3 <sup>1</sup> |
| Repellency to Liquids, o-Xylene                              | EN ISO 6530 | <1 %           | 3 of 3 <sup>1</sup> |
| Resistance to Penetration by Liquids, Butan-1-ol             | EN ISO 6530 | >95 %          | 3 of 3 <sup>1</sup> |
| Resistance to Penetration by Liquids, Sodium Hydroxide (10%) | EN ISO 6530 | >95 %          | 3 of 3 <sup>1</sup> |
| Resistance to Penetration by Liquids, Sulphuric Acid (30%)   | EN ISO 6530 | >95 %          | 3 of 3 <sup>1</sup> |
| Resistance to Penetration by Liquids, o-Xylene               | EN ISO 6530 | >95 %          | 3 of 3 <sup>1</sup> |

<sup>1</sup> According to EN 14325    > Larger than    < Smaller than

BIOLOGICAL BARRIER



Detailed information on the protective performance (resistance to penetration) of DuPont clothing when exposed to biologically contaminated aerosols, liquids and dusts as well as blood, body fluids and blood-borne pathogens. Sorted by relevant European standard.

| Property                                                                        | Test Method   | Typical Result | EN          |
|---------------------------------------------------------------------------------|---------------|----------------|-------------|
| Resistance to Penetration by Biologically Contaminated Aerosols                 | ISO/DIS 22611 | log ratio >5   | 3 of 3<br>2 |
| Resistance to Penetration by Biologically Contaminated Dust                     | ISO 22612     | log cfu <1     | 3 of 3<br>2 |
| Resistance to Penetration by Blood-borne Pathogens using Bacteriophage Phi-X174 | ISO 16604     | 20 kPa         | 6 of 6<br>2 |
| Resistance to Penetration by Contaminated Liquids                               | EN ISO 22610  | >75 min        | 6 of 6<br>2 |

2 According to EN 14126    > Larger than    < Smaller than

## WARNING

- The information provided herein corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since DuPont cannot anticipate all variations in actual end-use conditions DuPont makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights.
- This garment and/or fabric are not flame resistant and should not be used around heat, open flame, sparks or in potentially flammable environments.
- Working in Ex-Zones: Please take this into account for your risk-assessment that the attached socks may isolate the wearer. There is the possibility that the garment and wearer cannot be grounded via the shoes and other measures for grounding the garment and the wearer are required

## PERMEATION DATA



Permeation is the process by which a solid, liquid or gaseous chemical moves through a protective clothing fabric at a molecular level. Permeation data assist in the selection of the most appropriate protective garment for a particular application and in the estimation of how long it can be safely worn. Standardised test methods are used to determine the resistance of DuPont materials to permeation, the results of which can be selected according to a specific chemical, chemical class or fabric.

| Hazard / Chemical Name              | Physical State | CAS       | BT Act   | BT 0.1   | BT 1.0   | EN | SSPR   | MDPR   | Cum 480 | Time 150 | ISO |
|-------------------------------------|----------------|-----------|----------|----------|----------|----|--------|--------|---------|----------|-----|
| 2-(2-Butoxyethoxy) ethanol          | Liquid         | 112-34-5  | >480     | >480     | >480     | 6  | <0.05  | 0.05   | <24     | >480     | 6   |
| 2-Methyl-2-Butanol                  | Liquid         | 75-85-4   | >480     | >480     | >480     | 6  | <0.05  | 0.05   | <24     | >480     | 6   |
| 2-Methyl-4-isothiazolin-3-one (20%) | Liquid         | 2682-20-4 | >480     | >480     | >480     | 6  | <0.005 | 0.005  | <2.4    | >480     | 6   |
| Acetaldehyde                        | Liquid         | 75-07-0   | imm      | imm      | 13*/23   | 1  | 2      | 0.06   |         |          |     |
| Acetic acid (>95%)                  | Liquid         | 64-19-7   | >480     | >480     | >480     | 6  | <0.08  | 0.08   | <38.4   | >480     | 6   |
| Acetic acid 2 ethoxy ethyl ester    | Liquid         | 111-15-9  | >480     | >480     | >480     | 6  | <0.005 | 0.005  | <2.4    | >480     | 6   |
| Acetic acid 2 methoxy ethyl ester   | Liquid         | 110-49-6  | >480     | >480     | >480     | 6  | <0.005 | 0.005  | <2.4    | >480     | 6   |
| Acetic acid ethenyl ester           | Liquid         | 108-05-4  | >480     | >480     | >480     | 6  | <0.01  | 0.01   | <4.8    | >480     | 6   |
| Acetic acid ethyl ester             | Liquid         | 141-78-6  | >480     | >480     | >480     | 6  | <0.01  | 0.01   | <4.8    | >480     | 6   |
| Acetic acid pentyl ester            | Liquid         | 628-63-7  | >480     | >480     | >480     | 6  | 0.007  | 0.001  | <10.2   | >480     | 6   |
| Acetic anhydride                    | Liquid         | 108-24-7  | >480     | >480     | >480     | 6  | <0.01  | 0.01   | <4.8    | >480     | 6   |
| Acetic chloride                     | Liquid         | 75-36-5   | 155      | >480     | >480     | 6  | 0.0014 | 0.0001 |         |          |     |
| Acetone                             | Liquid         | 67-64-1   | >480     | >480     | >480     | 6  | <0.02  | 0.02   | <9.6    | >480     | 6   |
| Acetone cyanohydrin                 | Liquid         | 75-86-5   | >480     | >480     | >480     | 6  | <0.05  | 0.05   | <24     | >480     | 6   |
| Acetonitrile                        | Liquid         | 75-05-8   | 65*/83   | 131      | >480     | 6  | <0.4   | 0.03   | <82     | >480     | 6   |
| Acetyl chloride                     | Liquid         | 75-36-5   | 155      | >480     | >480     | 6  | 0.0014 | 0.0001 |         |          |     |
| Acroleic acid                       | Liquid         | 79-10-7   | >480     | >480     | >480     | 6  | <0.06  | 0.06   | <28.8   | >480     | 6   |
| Acrolein                            | Liquid         | 107-02-8  | 51*/65   | 75*/101  | >480     | 6  | <0.5   | 0.02   | 105     | >480     | 6   |
| Acrolein (10 g/m <sup>2</sup> )     | Liquid         | 107-02-8  | >480     | >480     | >480     | 6  | <0.04  | 0.04   | <19.2   | >480     | 6   |
| Acrylamide (50%)                    | Liquid         | 79-06-1   | >480     | >480     | >480     | 6  | <0.1   | 0.1    | <48     | >480     | 6   |
| Acrylic acid                        | Liquid         | 79-10-7   | >480     | >480     | >480     | 6  | <0.06  | 0.06   | <28.8   | >480     | 6   |
| Acrylic acid ethyl ester            | Liquid         | 140-88-5  | imm*/161 | imm*/162 | imm*/163 |    | <5     | 0.04   |         |          |     |
| Acrylic acid n-butyl ester          | Liquid         | 141-32-2  | >480     | >480     | >480     | 6  | <0.05  | 0.05   | >480    | >480     | 6   |
| Acrylicamide (50%)                  | Liquid         | 79-06-1   | >480     | >480     | >480     | 6  | <0.1   | 0.1    | <48     | >480     | 6   |
| Acrylonitrile                       | Liquid         | 107-13-1  | 72*/91   | 73*/92   | 103      | 3  | 8.9    | 0.0085 |         |          |     |
| Acryloyl Chloride                   | Liquid         | 814-68-6  | 166*/224 | 334      | >480     | 6  | <0.3   | 0.04   | 29.6    | >480     | 6   |
| Adipic acid dinitrile               | Liquid         | 111-69-3  | >480     | >480     | >480     | 6  | <0.05  | 0.05   | <24     | >480     | 6   |
| Adipic acid nitrile                 | Liquid         | 111-69-3  | >480     | >480     | >480     | 6  | <0.05  | 0.05   | <24     | >480     | 6   |
| Adiponitrile                        | Liquid         | 111-69-3  | >480     | >480     | >480     | 6  | <0.05  | 0.05   | <24     | >480     | 6   |
| Allyl alcohol                       | Liquid         | 107-18-6  | >480     | >480     | >480     | 6  | <0.02  | 0.02   | <9.6    | >480     | 6   |

| Hazard / Chemical Name                   | Physical State | CAS        | BT Act    | BT 0.1    | BT 1.0    | EN | SSPR   | MDPR   | Cum 480 | Time 150 | ISO |
|------------------------------------------|----------------|------------|-----------|-----------|-----------|----|--------|--------|---------|----------|-----|
| Allyl chloride                           | Liquid         | 107-05-1   | 291* /400 | 381* /447 | >480      | 6  | <0.2   | 0.02   | <18.5   | >480     | 6   |
| Amido sulfonic acid (15%)                | Liquid         | 5329-14-6  | >480      | >480      | >480      | 6  | <0.04  | 0.04   | <19.2   | >480     | 6   |
| Amino benzene                            | Liquid         | 62-53-3    | >480      | >480      | >480      | 6  | <0.03  | 0.03   | <14.4   | >480     | 6   |
| Amino diphenyl, 4- (1 mg/ml in Methanol) | Liquid         | 92-67-1    | >480      | >480      | >480      | 6  | <0.01  | 0.01   | <4.8    | >480     | 6   |
| Amino ethanol, 2-                        | Liquid         | 141-43-5   | >480      | >480      | >480      | 6  | <0.05  | 0.05   | <24     | >480     | 6   |
| Amino ethylethanolamine                  | Liquid         | 111-41-1   | >480      | >480      | >480      | 6  | <0.005 | 0.005  | <2.4    | >480     | 6   |
| Amino ethylethanolamine (60%)            | Liquid         | 111-41-1   | >480      | >480      | >480      | 6  | <0.005 | 0.005  | <2.4    | >480     | 6   |
| Amino ethylpiperazine                    | Liquid         | 140-31-8   | >480      | >480      | >480      | 6  | <0.005 | 0.005  | <2.4    | >480     | 6   |
| Amino propane, 2-                        | Liquid         | 75-31-0    | >480      | >480      | >480      | 6  | <0.05  | 0.05   | <24     | >480     | 6   |
| Ammonia (-33 °C, liquid)                 | Liquid         | 7664-41-7  | 15        | 20        | >480      | 6  | <0.89  | 0.04   | 109     | >480     | 6   |
| Ammonia (gaseous)                        | Vapor          | 7664-41-7  | 20        | 20        | 21        | 1  | 1.5    | 0.0024 |         |          |     |
| Ammonium bifluoride (sat)                | Liquid         | 1341-49-7  | >480      | >480      | >480      | 6  | <0.005 | 0.005  | <2.4    | >480     | 6   |
| Ammonium fluoride (40%)                  | Liquid         | 12125-01-8 | >480      | >480      | >480      | 6  | <0.05  | 0.05   | <24     | >480     | 6   |
| Ammonium hydrogendifluoride (sat)        | Liquid         | 1341-49-7  | >480      | >480      | >480      | 6  | <0.005 | 0.005  | <2.4    | >480     | 6   |
| Ammonium hydroxide (32%)                 | Liquid         | 1336-21-6  | >480      | >480      | >480      | 6  | <0.005 | 0.005  | <2.4    | >480     | 6   |
| Amyl acetate, n-                         | Liquid         | 628-63-7   | >480      | >480      | >480      | 6  | 0.007  | 0.001  | <10.2   | >480     | 6   |
| Amyl alcohol                             | Liquid         | 71-41-0    | >480      | >480      | >480      | 6  | <0.1   | 0.1    | <48     | >480     | 6   |
| Amyl alcohol, tert-                      | Liquid         | 75-85-4    | >480      | >480      | >480      | 6  | <0.05  | 0.05   | <24     | >480     | 6   |
| Amyl ester acetic acid                   | Liquid         | 628-63-7   | >480      | >480      | >480      | 6  | 0.007  | 0.001  | <10.2   | >480     | 6   |
| Anilin, 4-Trifluoromethoxy-              | Liquid         | 461-82-5   | >480      | >480      | >480      | 6  | <0.05  | 0.05   | <24     | >480     | 6   |
| Aniline                                  | Liquid         | 62-53-3    | >480      | >480      | >480      | 6  | <0.03  | 0.03   | <14.4   | >480     | 6   |
| Anthracene (sat in Toluene)              | Liquid         | 120-12-7   | >480      | >480      | >480      | 6  | <0.02  | 0.02   | <9.6    | >480     | 6   |
| Anthracin (sat in Toluene)               | Liquid         | 120-12-7   | >480      | >480      | >480      | 6  | <0.02  | 0.02   | <9.6    | >480     | 6   |
| Antimony pentachloride                   | Liquid         | 7647-18-9  | <15       | <15       | <15       | 1  | >10    | 0.1    |         |          |     |
| Arsenic (III) chloride                   | Liquid         | 7784-34-1  | 22*/29    | 32*/38    | 59        | 2  | 334    | 0.01   |         |          |     |
| Arsenic trichloride                      | Liquid         | 7784-34-1  | 22*/29    | 32*/38    | 59        | 2  | 334    | 0.01   |         |          |     |
| Azolidine                                | Liquid         | 123-75-1   | 40*/80    | 45*/100   | 145* /185 | 4  | 4.7    | 0.05   |         |          |     |
| Benzaldehyde                             | Liquid         | 100-52-7   | >480      | >480      | >480      | 6  | <0.03  | 0.03   | <14.4   | >480     | 6   |
| Benzenamine                              | Liquid         | 62-53-3    | >480      | >480      | >480      | 6  | <0.03  | 0.03   | <14.4   | >480     | 6   |
| Benzene                                  | Liquid         | 71-43-2    | >480      | >480      | >480      | 6  | <0.02  | 0.02   | <9.6    | >480     | 6   |

| Hazard / Chemical Name                   | Physical State | CAS       | BT Act       | BT 0.1      | BT 1.0 | EN | SSPR   | MDPR  | Cum 480 | Time 150 | ISO |
|------------------------------------------|----------------|-----------|--------------|-------------|--------|----|--------|-------|---------|----------|-----|
| Benzene carbonyl chloride                | Liquid         | 98-88-4   | >480         | >480        | >480   | 6  | <0.08  | 0.08  | <38.4   | >480     | 6   |
| Benzene sulfone chloride                 | Liquid         | 98-09-9   | >480         | >480        | >480   | 6  | <0.02  | 0.02  | <9.6    | >480     | 6   |
| Benzene sulfonyl chloride                | Liquid         | 98-09-9   | >480         | >480        | >480   | 6  | <0.02  | 0.02  | <9.6    | >480     | 6   |
| Benzisothiazol 1,2- (20%)                | Liquid         | 2634-33-5 | >480         | >480        | >480   | 6  | <0.061 | 0.061 | <30     | >480     | 6   |
| Benzo nitrile                            | Liquid         | 100-47-0  | >480         | >480        | >480   | 6  | <0.02  | 0.02  | <9.6    | >480     | 6   |
| Benzoyl chloride                         | Liquid         | 98-88-4   | >480         | >480        | >480   | 6  | <0.08  | 0.08  | <38.4   | >480     | 6   |
| Benzyl alcohol                           | Liquid         | 100-51-6  | >480         | >480        | >480   | 6  | <0.1   | 0.1   | <48     | >480     | 6   |
| Benzyl chloride                          | Liquid         | 100-44-7  | >480         | >480        | >480   | 6  | <0.05  | 0.05  | <24     | >480     | 6   |
| Benzyl cyanide                           | Liquid         | 140-29-4  | >390         | >390        | >390   | 5  | <0.01  | 0.01  | <4.8    | >480     | 6   |
| Benzyl methylamine, N-                   | Liquid         | 103-67-3  | >480         | >480        | >480   | 6  | <0.02  | 0.02  | <9.6    | >480     | 6   |
| Bis (4-(2,3-epoxypropoxy)phenyl) propane | Liquid         | 1675-54-3 | >480         | >480        | >480   | 6  | <0.01  | 0.01  | <4.8    | >480     | 6   |
| Bis phenol A diglycidyl ether            | Liquid         | 1675-54-3 | >480         | >480        | >480   | 6  | <0.01  | 0.01  | <4.8    | >480     | 6   |
| Black Liquor (mix)                       | Liquid         | mix       |              | >480        |        |    |        |       |         |          |     |
| Boron fluoride ethyl ether               | Liquid         | 109-63-7  | >480         | >480        | >480   | 6  | <0.05  | 0.05  | <24     | >480     | 6   |
| Boron trifluoride diethyl etherate       | Liquid         | 109-63-7  | >480         | >480        | >480   | 6  | <0.05  | 0.05  | <24     | >480     | 6   |
| Boron trifluoride dimethyl etherate      | Liquid         | 353-42-4  | >480         | >480        | >480   | 6  | <0.01  | 0.01  | <4.8    | >480     | 6   |
| Boron trifluoride etherate               | Liquid         | 109-63-7  | >480         | >480        | >480   | 6  | <0.05  | 0.05  | <24     | >480     | 6   |
| Brom thiophene, 2-                       | Liquid         | 1003-09-4 | >480         | >480        | >480   | 6  | <0.03  | 0.03  | <14.4   | >480     | 6   |
| Bromine                                  | Liquid         | 7726-95-6 | imm          | imm         | imm    |    | 105    | 0.001 |         |          |     |
| Bromo 4-fluorobenzene, 1-                | Liquid         | 460-00-4  | >480         | >480        | >480   | 6  | <0.02  | 0.02  | <9.6    | >480     | 6   |
| Bromo fluorobenzene, 4-                  | Liquid         | 460-00-4  | >480         | >480        | >480   | 6  | <0.02  | 0.02  | <9.6    | >480     | 6   |
| But-3-en-2-one                           | Liquid         | 78-94-4   | 287*<br>/379 | >480        | >480   | 6  | <0.1   | 0.02  | <9.6    | >480     | 6   |
| Butadiene, 1,3- (gaseous)                | Vapor          | 106-99-0  | >480         | >480        | >480   | 6  | <0.01  | 0.01  | <4.8    | >480     | 6   |
| Butanal, n-                              | Liquid         | 123-72-8  | >480         | >480        | >480   | 6  | <0.05  | 0.05  | <24     | >480     | 6   |
| Butanol, 1-                              | Liquid         | 71-36-3   | >480         | >480        | >480   | 6  | <0.05  | 0.05  | <24     | >480     | 6   |
| Butanol, n-                              | Liquid         | 71-36-3   | >480         | >480        | >480   | 6  | <0.05  | 0.05  | <24     | >480     | 6   |
| Butanol, tert-                           | Liquid         | 75-65-0   | 10*/147      | 37*<br>/205 | >480   | 6  | 0.26   | 0.02  |         |          |     |
| Butanone                                 | Liquid         | 78-93-3   | imm          | 40*/64      | >480   | 6  | 0.36   | 0.001 |         |          |     |
| Butanone oxime, 2-                       | Liquid         | 96-29-7   | >480         | >480        | >480   | 6  | <0.02  | 0.02  | <9.6    | >480     | 6   |
| Butenal, 2-                              | Liquid         | 123-73-9  | 121          | 147         | >480   | 6  | <1     | 0.02  | 210     | 405      | 5   |

| Hazard / Chemical Name                       | Physical State | CAS        | BT Act       | BT 0.1       | BT 1.0       | EN | SSPR    | MDPR   | Cum 480 | Time 150 | ISO |
|----------------------------------------------|----------------|------------|--------------|--------------|--------------|----|---------|--------|---------|----------|-----|
| Butoxy ethanol, 2-                           | Liquid         | 111-76-2   | >480         | >480         | >480         | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Butyl acetate, n-                            | Liquid         | 123-86-4   | >480         | >480         | >480         | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Butyl acrylate, n-                           | Liquid         | 141-32-2   | >480         | >480         | >480         | 6  | <0.05   | 0.05   | >480    | >480     | 6   |
| Butyl alcohol, n-                            | Liquid         | 71-36-3    | >480         | >480         | >480         | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Butyl amine                                  | Liquid         | 109-73-9   | 170          | 200          | >480         | 6  | 0.84    | 0.01   | 137.5   | >480     | 6   |
| Butyl ether, n-                              | Liquid         | 142-96-1   | 223*<br>/285 | 223*<br>/285 | 224*<br>/287 | 4  | 14.6    | 0.021  |         |          |     |
| Butyl stannium trichloride                   | Liquid         | 1118-46-3  | >480         | >480         | >480         | 6  | <0.0001 | 0.0001 | <0.04   | >480     | 6   |
| Butylchloroformate                           | Liquid         | 592-34-7   | >480         | >480         | >480         | 6  | <0.07   | 0.07   | <33.6   | >480     | 6   |
| Butyraldehyde, n-                            | Liquid         | 123-72-8   | >480         | >480         | >480         | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Butyric Acid                                 | Liquid         | 107-92-6   | >480         | >480         | >480         | 6  | <0.07   | 0.07   | <33.6   | >480     | 6   |
| Calomel (sat)                                | Liquid         | 10112-91-1 | >480         | >480         | >480         | 6  | <0.1    | 0.1    | <48     | >480     | 6   |
| Carbon disulfide                             | Liquid         | 75-15-0    | >480         | >480         | >480         | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Carbon tetrachloride                         | Liquid         | 56-23-5    | imm          | imm*<br>/11  | >480         | 6  | 0.57    | 0.001  |         |          |     |
| Carbon tetrachloride (1000 ppm)              | Vapor          | 56-23-5    | >480         | >480         | >480         | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Caustic ammonia (32%)                        | Liquid         | 1336-21-6  | >480         | >480         | >480         | 6  | <0.005  | 0.005  | <2.4    | >480     | 6   |
| Caustic soda (50% at 50 °C)                  | Liquid         | 1310-73-2  | >480         | >480         | >480         | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Caustic soda (50%)                           | Liquid         | 1310-73-2  | >480         | >480         | >480         | 6  | <0.025  | 0.025  | <12     | >480     | 6   |
| Cellosolve acetate                           | Liquid         | 110-80-5   | >480         | >480         | >480         | 6  | <0.005  | 0.005  | <2.4    | >480     | 6   |
| Chemguard S-764P14A                          | Liquid         | mix        | >480         | >480         | >480         | 6  | <0.01   | 0.01   | <5      | >480     | 6   |
| Chlor allylene                               | Liquid         | 107-05-1   | 291*<br>/400 | 381*<br>/447 | >480         | 6  | <0.2    | 0.02   | <18.5   | >480     | 6   |
| Chlor trinitromethan                         | Liquid         | 76-06-2    | >480         | >480         | >480         | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Chlorine (gaseous)                           | Vapor          | 7782-50-5  | >480         | >480         | >480         | 6  | <0.005  | 0.005  | <2.4    | >480     | 6   |
| Chloro 1,3-butadiene, 2- (50% in Butanol)    | Liquid         | 126-99-8   | >480         | >480         | >480         | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Chloro 1-methylbenzene, 2-                   | Liquid         | 95-49-8    | >480         | >480         | >480         | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Chloro 2,3-epoxy propane, 1-                 | Liquid         | 106-89-8   | 355          | 395          | >480         | 6  | <0.4    | 0.02   | 18.4    | >480     | 6   |
| Chloro 2-nitrobenzene, 1- (35-40 °C, molten) | Liquid         | 88-73-3    | >480         | >480         | >480         | 6  | <0.1    | 0.1    | <48     | >480     | 6   |
| Chloro acetic acid (80%)                     | Liquid         | 79-11-8    | >480         | >480         | >480         | 6  | <0.005  | 0.005  | <2.4    | >480     | 6   |
| Chloro acetone (95%)                         | Liquid         | 78-95-5    | >480         | >480         | >480         | 6  | <0.01   | 0.01   | <4.8    | >480     | 6   |
| Chloro acrylonitrile, 2-                     | Liquid         | 920-37-6   | >480         | >480         | >480         | 6  | <0.01   | 0.01   | <4.8    | >480     | 6   |
| Chloro aniline, p- (70 °C, molten)           | Liquid         | 106-47-8   |              | imm          | 11           | 1  | 256     | 0.0206 |         |          |     |

| Hazard / Chemical Name                   | Physical State | CAS       | BT Act       | BT 0.1       | BT 1.0 | EN | SSPR   | MDPR   | Cum 480 | Time 150 | ISO |
|------------------------------------------|----------------|-----------|--------------|--------------|--------|----|--------|--------|---------|----------|-----|
| Chloro benzenamine, 4- (70 °C, molten)   | Liquid         | 106-47-8  |              | imm          | 11     | 1  | 256    | 0.0206 |         |          |     |
| Chloro benzene                           | Liquid         | 108-90-7  | >480         | >480         | >480   | 6  | <0.05  | 0.05   | <24     | >480     | 6   |
| Chloro ethanol, 2-                       | Liquid         | 107-07-3  | >480         | >480         | >480   | 6  | <0.06  | 0.06   | <28.8   | >480     | 6   |
| Chloro ethene                            | Vapor          | 75-01-4   | imm          | >480         | >480   | 6  | 0.02   | 0.001  | <9.6    | >480     | 6   |
| Chloro form                              | Liquid         | 67-66-3   | imm          | imm          | imm    |    | 10.6   | 0.001  |         |          |     |
| Chloro form (1000 ppm)                   | Vapor          | 67-66-3   | >480         | >480         | >480   | 6  | <0.05  | 0.05   | <24     | >480     | 6   |
| Chloro methyl methyl ether               | Liquid         | 107-30-2  | imm*/11      | imm*/37      | >480   | 6  | 0.75   | 0.001  |         |          |     |
| Chloro picrin                            | Liquid         | 76-06-2   | >480         | >480         | >480   | 6  | <0.05  | 0.05   | <24     | >480     | 6   |
| Chloro prene, 3-                         | Liquid         | 107-05-1  | 291*<br>/400 | 381*<br>/447 | >480   | 6  | <0.2   | 0.02   | <18.5   | >480     | 6   |
| Chloro propan-2-one, 1- (95%)            | Liquid         | 78-95-5   | >480         | >480         | >480   | 6  | <0.01  | 0.01   | <4.8    | >480     | 6   |
| Chloro toluene, alpha-                   | Liquid         | 100-44-7  | >480         | >480         | >480   | 6  | <0.05  | 0.05   | <24     | >480     | 6   |
| Chloro toluene, o-                       | Liquid         | 95-49-8   | >480         | >480         | >480   | 6  | <0.02  | 0.02   | <9.6    | >480     | 6   |
| Chloroacetic ethylester                  | Liquid         | 105-39-5  | >480         | >480         | >480   | 6  | <0.06  | 0.06   | <28.8   | >480     | 6   |
| Chloroacetic ethylester (75% in Ethanol) | Liquid         | 105-39-5  | >480         |              |        |    |        |        |         |          |     |
| Chlorsulfonic acid                       | Liquid         | 7790-94-5 | 423          | >480         | >480   | 6  | 0.0003 | 0.0001 |         |          |     |
| Chromic acid (CrO3) (44.9%)              | Liquid         | 1333-82-0 | >480         | >480         | >480   | 6  | <0.07  | 0.07   | <33.6   | >480     | 6   |
| Citric acid (sat)                        | Liquid         | 77-92-9   | >480         | >480         | >480   | 6  | <0.005 | 0.005  | <2.4    | >480     | 6   |
| Creosote                                 | Liquid         | 8001-58-9 | >480         | >480         | >480   | 6  | <0.02  | 0.02   | <9.6    | >480     | 6   |
| Cresol o-                                | Liquid         | 95-48-7   | 173          | 179          | 211    | 4  | <4     | 0.02   | 674     | 295      | 5   |
| Cresols, mixed isomers                   | Liquid         | 1319-77-3 | >480         | >480         | >480   | 6  | <0.03  | 0.03   | <14.4   | >480     | 6   |
| Cresylic acid                            | Liquid         | 1319-77-3 | >480         | >480         | >480   | 6  | <0.03  | 0.03   | <14.4   | >480     | 6   |
| Croton aldehyde                          | Liquid         | 123-73-9  | 121          | 147          | >480   | 6  | <1     | 0.02   | 210     | 405      | 5   |
| Cumene                                   | Liquid         | 98-82-8   | >480         | >480         | >480   | 6  | <0.05  | 0.05   | <24     | >480     | 6   |
| Cyanamide (50%)                          | Liquid         | 420-04-2  | 62*/208      | nm           | >480   | 6  | na     | 0.17   | <81.6   | >480     | 6   |
| Cyanobenzene                             | Liquid         | 100-47-0  | >480         | >480         | >480   | 6  | <0.02  | 0.02   | <9.6    | >480     | 6   |
| Cyanoethylene                            | Liquid         | 107-13-1  | 72*/91       | 73*/92       | 103    | 3  | 8.9    | 0.0085 |         |          |     |
| Cyanomethane                             | Liquid         | 75-05-8   | 65*/83       | 131          | >480   | 6  | <0.4   | 0.03   | <82     | >480     | 6   |
| Cyanopropan-2-ol, 2-                     | Liquid         | 75-86-5   | >480         | >480         | >480   | 6  | <0.05  | 0.05   | <24     | >480     | 6   |
| Cyclo hexane                             | Liquid         | 110-82-7  | >480         | >480         | >480   | 6  | <0.02  | 0.02   | <9.6    | >480     | 6   |
| Cyclo hexanone                           | Liquid         | 108-94-1  | >480         | >480         | >480   | 6  | <0.05  | 0.05   | <24     | >480     | 6   |

| Hazard / Chemical Name                      | Physical State | CAS        | BT Act      | BT 0.1       | BT 1.0      | EN | SSPR    | MDPR   | Cum 480 | Time 150 | ISO |
|---------------------------------------------|----------------|------------|-------------|--------------|-------------|----|---------|--------|---------|----------|-----|
| Dahlgren Decon solution                     | Liquid         | mix        | >480        | >480         | >480        | 6  | <0.025  | 0.025  | <12     | >480     | 6   |
| Diamino sulfo chloride                      | Liquid         | 13360-57-1 | >480        | >480         | >480        | 6  | <0.04   | 0.04   | <19.2   | >480     | 6   |
| Diaminoethane, 1,2-                         | Liquid         | 107-15-3   | >480        | >480         | >480        | 6  | <0.005  | 0.005  | <2.4    | >480     | 6   |
| Dibromoethane, 1,2-                         | Liquid         | 106-93-4   | 84*<br>/153 | 144*<br>/288 | >480        | 6  | 0.52    | 0.001  |         |          |     |
| Dibutyl 1,2-benzenedicarboxylate            | Liquid         | 84-74-2    |             | nm           | >480        | 6  |         | 0.05   |         |          |     |
| Dibutyl phthalate                           | Liquid         | 84-74-2    |             | nm           | >480        | 6  |         | 0.05   |         |          |     |
| Dibutyl sebacate                            | Liquid         | 109-43-3   |             | nm           | >480        | 6  | <1      | 1      |         |          |     |
| Dichlorbenzen, 1,2-                         | Liquid         | 95-50-1    | >480        | >480         | >480        | 6  | <0.005  | 0.005  | <2.4    | >480     | 6   |
| Dichlorbenzen, 1,3-                         | Liquid         | 541-73-1   | >480        | >480         | >480        | 6  | <0.005  | 0.005  | <2.4    | >480     | 6   |
| Dichlorbenzen, 1,4- (50% in Ethanol)        | Liquid         | 106-46-7   | >480        | >480         | >480        | 6  | <0.005  | 0.005  | <2.4    | >480     | 6   |
| Dichlorethane, 1,2.-                        | Liquid         | 107-06-2   | 65*/83      | 93           | 109         | 3  | <3      | 0.04   | 898     | 182      | 4   |
| Dichloro -2-propanone, 1,3- (45 °C, molten) | Liquid         | 534-07-6   | >480        | >480         | >480        | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Dichloro acetone, 1,3- (45 °C, molten)      | Liquid         | 534-07-6   | >480        | >480         | >480        | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Dichloro acetyl chloride                    | Liquid         | 79-36-7    | 160         | 160          | 180         | 4  | 78.41   | 0.01   |         |          |     |
| Dichloro ethyl ether                        | Liquid         | 111-44-4   | >480        | >480         | >480        | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Dichloro ethylene, 1,1-                     | Liquid         | 75-35-4    | >480        | >480         | >480        | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Dichloro methane                            | Liquid         | 75-09-2    | imm         | imm          | imm         |    | 23.7    | 0.03   |         |          |     |
| Dichloro methane (10.000 ppm)               | Vapor          | 75-09-2    | imm         | 52           | >480        | 6  | <0.21   | 0.05   | 100     | >480     | 6   |
| Dichloro methane (1000 ppm)                 | Vapor          | 75-09-2    | >480        | >480         | >480        | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Dichloro propene, 2,3-                      | Liquid         | 78-88-6    | imm         | imm*<br>/25  | 54*<br>/143 | 2  | 2.4     | 0.001  |         |          |     |
| Dicyanobutane, 1,4-                         | Liquid         | 111-69-3   | >480        | >480         | >480        | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Diesel Fuel Grade D-2                       | Liquid         | mix        | >480        | >480         | >480        | 6  | <0.03   | 0.03   | <14.4   | >480     | 6   |
| Diesel fuel                                 | Liquid         | 68334-30-5 | 8*/323      | >480         | >480        | 6  | 0.02    | 0.001  |         |          |     |
| Diethyl amine                               | Liquid         | 109-89-7   | >480        | >480         | >480        | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Diethyl benzene (95%)                       | Liquid         | 25340-17-4 | >480        | >480         | >480        | 6  | <0.0216 | 0.0216 | <10.4   | >480     | 6   |
| Diethyl ethanamine, N,N-                    | Liquid         | 121-44-8   | >480        | >480         | >480        | 6  | 0.05    | 0.05   | <24     | >480     | 6   |
| Diethyl ether                               | Liquid         | 60-29-7    | >480        | >480         | >480        | 6  | <0.01   | 0.01   | <4.8    | >480     | 6   |
| Diethyl sulfate                             | Liquid         | 64-67-5    | >480        | >480         | >480        | 6  | <0.01   | 0.01   | <4.8    | >480     | 6   |
| Diethylene glycol monobutyl ether           | Liquid         | 112-34-5   | >480        | >480         | >480        | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Diethylene triamine                         | Liquid         | 111-40-0   | imm         | >480         | >480        | 6  | <0.01   | 0.005  | <4.8    | >480     | 6   |

| Hazard / Chemical Name                               | Physical State | CAS        | BT Act      | BT 0.1 | BT 1.0 | EN | SSPR    | MDPR   | Cum 480 | Time 150 | ISO |
|------------------------------------------------------|----------------|------------|-------------|--------|--------|----|---------|--------|---------|----------|-----|
| Diketene Acetone (95%)                               | Liquid         | 5394-63-8  | >480        | >480   | >480   | 6  | <0.0229 | 0.0229 | <11     | >480     | 6   |
| Dimethyl acetamide, N,N-                             | Liquid         | 127-19-5   | >480        | >480   | >480   | 6  | <0.014  | 0.014  | <6.7    | >480     | 6   |
| Dimethyl amine                                       | Vapor          | 124-40-3   | >480        | >480   | >480   | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Dimethyl aniline, N,N-                               | Liquid         | 121-69-7   | >480        | >480   | >480   | 6  | <0.1    | 0.1    | <48     | >480     | 6   |
| Dimethyl dichlorosilane                              | Liquid         | 75-78-5    | >480        | >480   | >480   | 6  | <0.0001 | 0.0001 | <0.04   | >480     | 6   |
| Dimethyl formamide, N,N-                             | Liquid         | 68-12-2    | >480        | >480   | >480   | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Dimethyl fumarate (27 °C, solid)                     | Solid          | 624-49-7   | >480        | nm     | >480   | 6  | <0.39   | 0.39   |         |          |     |
| Dimethyl fumarate (37 °C, solid)                     | Solid          | 624-49-7   | >480        | nm     | >480   | 6  | <0.39   | 0.39   |         |          |     |
| Dimethyl ketal                                       | Liquid         | 67-64-1    | >480        | >480   | >480   | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Dimethyl ketone                                      | Liquid         | 67-64-1    | >480        | >480   | >480   | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Dimethyl nitrosamine                                 | Liquid         | 62-75-9    | >480        | >480   | >480   | 6  | <0.001  | 0.001  | <0.48   | >480     | 6   |
| Dimethyl phenylamine, N,N-                           | Liquid         | 121-69-7   | >480        | >480   | >480   | 6  | <0.1    | 0.1    | <48     | >480     | 6   |
| Dimethyl propandioate                                | Liquid         | 108-59-8   | >480        | >480   | >480   | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Dimethyl sulfate                                     | Liquid         | 77-78-1    | >480        | >480   | >480   | 6  | <0.09   | 0.09   | <43.2   | >480     | 6   |
| Dimethyl sulfide                                     | Liquid         | 75-18-3    | 83*<br>/139 | 271    | 452    | 5  | 1.21    | 0.02   |         |          |     |
| Dimethyl sulfoxide                                   | Liquid         | 67-68-5    | >480        | >480   | >480   | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Dimethylmalonate                                     | Vapor          | 108-59-8   | >480        | >480   | >480   | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Dioxane, 1,4-                                        | Liquid         | 123-91-1   | >480        | >480   | >480   | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Diphenyl methane diisocyanate, 4,4'- (50 °C, molten) | Liquid         | 101-68-8   | >480        | >480   | >480   | 6  | <0.0403 | 0.0403 | <19.3   | >480     | 6   |
| Diphosgene                                           | Liquid         | 503-38-8   | >480        | >480   | >480   | 6  | <0.04   | 0.04   | <19.2   | >480     | 6   |
| Dowtherm Heat Transfer Fluid                         | Liquid         | mix        | >480        | >480   | >480   | 6  | <0.0267 | 0.0267 | <13     | >480     | 6   |
| Dytek® A                                             | Liquid         | 15520-10-2 | >480        | >480   | >480   | 6  | <0.01   | 0.01   | <4.8    | >480     | 6   |
| Epichlorohydrin                                      | Liquid         | 106-89-8   | 355         | 395    | >480   | 6  | <0.4    | 0.02   | 18.4    | >480     | 6   |
| Epoxy ethane (gaseous)                               | Vapor          | 75-21-8    | 106         | 126    | >480   | 6  | <0.35   | 0.05   | 76      | >480     | 6   |
| Epoxy propane, 1,2-                                  | Liquid         | 75-56-9    | 41          | 43     | 51     | 2  | <5      | 0.03   | 1860    | 114      | 3   |
| Ethane 1,2-diol                                      | Liquid         | 107-21-1   | >480        | >480   | >480   | 6  | <0.001  | 0.001  | <0.48   | >480     | 6   |
| Ethane dioic acid (sat)                              | Liquid         | 144-62-7   | >480        | >480   | >480   | 6  | <0.005  | 0.005  | <2.4    | >480     | 6   |
| Ethane diol dipropionate, 1,2-                       | Liquid         | 123-73-9   | 121         | 147    | >480   | 6  | <1      | 0.02   | 210     | 405      | 5   |
| Ethane nitrile                                       | Liquid         | 75-05-8    | 65*/83      | 131    | >480   | 6  | <0.4    | 0.03   | <82     | >480     | 6   |
| Ethane thiol                                         | Liquid         | 75-08-1    | >480        | >480   | >480   | 6  | <0.01   | 0.01   | <4.8    | >480     | 6   |

| Hazard / Chemical Name                   | Physical State | CAS      | BT Act       | BT 0.1       | BT 1.0       | EN | SSPR   | MDPR   | Cum 480 | Time 150 | ISO |
|------------------------------------------|----------------|----------|--------------|--------------|--------------|----|--------|--------|---------|----------|-----|
| Ethane trichloride                       | Liquid         | 79-00-5  | 120*<br>/173 | 164*<br>/232 | 202*<br>/302 | 4  | 9.1    | 0.01   |         |          |     |
| Ethanol                                  | Liquid         | 64-17-5  | >480         | >480         | >480         | 6  | <0.02  | 0.02   | <9.6    | >480     | 6   |
| Ethanol amine                            | Liquid         | 141-43-5 | >480         | >480         | >480         | 6  | <0.05  | 0.05   | <24     | >480     | 6   |
| Ethanoyl chloride                        | Liquid         | 75-36-5  | 155          | >480         | >480         | 6  | 0.0014 | 0.0001 |         |          |     |
| Ethansulphonic acid (70%)                | Liquid         | 594-45-6 | >480         | >480         | >480         | 6  | <0.08  | 0.08   | <38.4   | >480     | 6   |
| Ethoxy ethanol, 2-                       | Liquid         | 110-80-5 | >480         | >480         | >480         | 6  | <0.005 | 0.005  | <2.4    | >480     | 6   |
| Ethoxy ethylacetat                       | Liquid         | 111-15-9 | >480         | >480         | >480         | 6  | <0.005 | 0.005  | <2.4    | >480     | 6   |
| Ethyl Cellosolve®                        | Liquid         | 110-80-5 | >480         | >480         | >480         | 6  | <0.005 | 0.005  | <2.4    | >480     | 6   |
| Ethyl acetate                            | Liquid         | 141-78-6 | >480         | >480         | >480         | 6  | <0.01  | 0.01   | <4.8    | >480     | 6   |
| Ethyl acrylate                           | Liquid         | 140-88-5 | imm*<br>/161 | imm*<br>/162 | imm*<br>/163 |    | <5     | 0.04   |         |          |     |
| Ethyl alcohol                            | Liquid         | 64-17-5  | >480         | >480         | >480         | 6  | <0.02  | 0.02   | <9.6    | >480     | 6   |
| Ethyl benzene                            | Liquid         | 100-41-4 | >480         | >480         | >480         | 6  | <0.005 | 0.005  | <2.4    | >480     | 6   |
| Ethyl ethanamine, N-                     | Liquid         | 109-89-7 | >480         | >480         | >480         | 6  | <0.05  | 0.05   | <24     | >480     | 6   |
| Ethyl ether                              | Liquid         | 60-29-7  | >480         | >480         | >480         | 6  | <0.01  | 0.01   | <4.8    | >480     | 6   |
| Ethyl glycol acetate                     | Liquid         | 111-15-9 | >480         | >480         | >480         | 6  | <0.005 | 0.005  | <2.4    | >480     | 6   |
| Ethyl hexanoic acid                      | Liquid         | 149-57-5 | >480         | >480         | >480         | 6  | <0.04  | 0.04   | <19.2   | >480     | 6   |
| Ethyl mercaptan                          | Liquid         | 75-08-1  | >480         | >480         | >480         | 6  | <0.01  | 0.01   | <4.8    | >480     | 6   |
| Ethyl nitrile                            | Liquid         | 75-05-8  | 65*/83       | 131          | >480         | 6  | <0.4   | 0.03   | <82     | >480     | 6   |
| Ethylchloroformate                       | Liquid         | 541-41-3 | >480         | >480         | >480         | 6  | <0.04  | 0.04   | <19.2   | >480     | 6   |
| Ethylene carboxylic acid                 | Liquid         | 79-10-7  | >480         | >480         | >480         | 6  | <0.06  | 0.06   | <28.8   | >480     | 6   |
| Ethylene chlorohydrin                    | Liquid         | 107-07-3 | >480         | >480         | >480         | 6  | <0.06  | 0.06   | <28.8   | >480     | 6   |
| Ethylene diamine                         | Liquid         | 107-15-3 | >480         | >480         | >480         | 6  | <0.005 | 0.005  | <2.4    | >480     | 6   |
| Ethylene dibromide                       | Liquid         | 106-93-4 | 84*/153      | 144*<br>/288 | >480         | 6  | 0.52   | 0.001  |         |          |     |
| Ethylene dichloride                      | Liquid         | 107-06-2 | 65*/83       | 93           | 109          | 3  | <3     | 0.04   | 898     | 182      | 4   |
| Ethylene glycol                          | Liquid         | 107-21-1 | >480         | >480         | >480         | 6  | <0.001 | 0.001  | <0.48   | >480     | 6   |
| Ethylene glycol mono ethyl ether acetate | Liquid         | 111-15-9 | >480         | >480         | >480         | 6  | <0.005 | 0.005  | <2.4    | >480     | 6   |

|                                          |        |          |      |      |      |   |        |       |      |      |   |
|------------------------------------------|--------|----------|------|------|------|---|--------|-------|------|------|---|
| Ethylene glycol monobutyl ether          | Liquid | 111-76-2 | >480 | >480 | >480 | 6 | <0.05  | 0.05  | <24  | >480 | 6 |
| Ethylene glycol monoethyl ether          | Liquid | 110-80-5 | >480 | >480 | >480 | 6 | <0.005 | 0.005 | <2.4 | >480 | 6 |
| Ethylene glycol monomethyl ether         | Liquid | 109-86-4 | >480 | >480 | >480 | 6 | <0.005 | 0.005 | <2.4 | >480 | 6 |
| Ethylene glycol monomethyl ether acetate | Liquid | 110-49-6 | >480 | >480 | >480 | 6 | <0.005 | 0.005 | <2.4 | >480 | 6 |

| Hazard / Chemical Name                | Physical State | CAS        | BT Act | BT 0.1   | BT 1.0 | EN | SSPR    | MDPR   | Cum 480 | Time 150 | ISO |
|---------------------------------------|----------------|------------|--------|----------|--------|----|---------|--------|---------|----------|-----|
| Ethylene oxide (gaseous)              | Vapor          | 75-21-8    | 106    | 126      | >480   | 6  | <0.35   | 0.05   | 76      | >480     | 6   |
| Ethylene tetrachloride                | Liquid         | 127-18-4   | >480   | >480     | >480   | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Ethylene trichloride                  | Liquid         | 79-01-6    | >480   | >480     | >480   | 6  | <0.01   | 0.01   | <4.8    | >480     | 6   |
| Ferric (II) chloride (sat)            | Liquid         | 7758-94-3  | >480   | >480     | >480   | 6  | <0.07   | 0.07   | <33.6   | >480     | 6   |
| Ferric (III) chloride (40%)           | Liquid         | 7705-08-0  | >480   | >480     | >480   | 6  | <0.03   | 0.03   | <14.4   | >480     | 6   |
| Fluorobenzene                         | Liquid         | 462-06-6   | >480   | >480     | >480   | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Fluorosilicic acid (33-35%)           | Liquid         | 16961-83-4 | >480   | >480     | >480   | 6  | <0.04   | 0.04   | <19.2   | >480     | 6   |
| Fluorosulfonic acid                   | Liquid         | 7789-21-1  | 87     | 194      | >480   | 6  | na      | 0.02   | 29      | >480     | 6   |
| Formaldehyde (37%)                    | Liquid         | 50-00-0    | >480   | >480     | >480   | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Formalin (37% (10-15% Methanol))      | Liquid         | 50-00-0    | >480   | >480     | >480   | 6  | <0.0048 | 0.0048 | <2.3    | >480     | 6   |
| Formalin (37%)                        | Liquid         | 50-00-0    | >480   | >480     | >480   | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Formic acid (50%)                     | Liquid         | 64-18-6    | >480   | >480     | >480   | 6  | <0.005  | 0.005  | <2.4    | >480     | 6   |
| Formic acid (>95%)                    | Liquid         | 64-18-6    | 172    | 260      | >480   | 6  | 0.24    | 0.001  |         |          |     |
| Furaldehyde, 2-                       | Liquid         | 98-01-1    | 459    | >480     | >480   | 6  | na      | 0.03   | <14.4   | >480     | 6   |
| Furan                                 | Liquid         | 110-00-9   | 75     | 97       | >480   | 6  | <1      | 0.02   | 206     | 411      | 5   |
| Furfural                              | Liquid         | 98-01-1    | 459    | >480     | >480   | 6  | na      | 0.03   | <14.4   | >480     | 6   |
| Gasoline, leaded                      | Liquid         | mix        | imm    | imm* /21 |        |    | 0.32    | 0.001  |         |          |     |
| Gasoline, unleaded                    | Liquid         | 86290-81-5 | >480   | >480     | >480   | 6  | <0.001  | 0.001  | <0.48   | >480     | 6   |
| Glutaral (50%)                        | Liquid         | 111-30-8   | 150    | 170      | 200    | 4  | 1.861   | 0.01   |         |          |     |
| Glutaraldehyde (50%)                  | Liquid         | 111-30-8   | 150    | 170      | 200    | 4  | 1.861   | 0.01   |         |          |     |
| Glycol alcohol                        | Liquid         | 107-21-1   | >480   | >480     | >480   | 6  | <0.001  | 0.001  | <0.48   | >480     | 6   |
| Glycol chlorohydrin                   | Liquid         | 107-07-3   | >480   | >480     | >480   | 6  | <0.06   | 0.06   | <28.8   | >480     | 6   |
| Green Liquor (mix)                    | Liquid         | mix        |        | >480     |        |    |         |        |         |          |     |
| Heptane                               | Liquid         | 142-82-5   | >480   | >480     | >480   | 6  | <0.01   | 0.01   | <4.8    | >480     | 6   |
| Hexamethylene diamine (45 °C, molten) | Liquid         | 124-09-4   | 423    | >480     | >480   | 6  | 0.003   | 0.0001 | <1.4    | >480     | 6   |
| Hexamethylene diisocyanate            | Liquid         | 822-06-0   | >480   | >480     | >480   | 6  | <0.0271 | 0.0271 | <13     | >480     | 6   |
| Hexane, n-                            | Liquid         | 110-54-3   | >480   | >480     | >480   | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Hexanone                              | Liquid         | 108-94-1   | >480   | >480     | >480   | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Hexone                                | Liquid         | 108-10-1   | >480   | >480     | >480   | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Hexyl chloro formate, 2-              | Liquid         | 6092-54-2  | >480   | >480     | >480   | 6  | <0.08   | 0.08   | <38.4   | >480     | 6   |

| Hazard / Chemical Name                           | Physical State | CAS        | BT Act | BT 0.1 | BT 1.0 | EN | SSPR    | MDPR   | Cum 480 | Time 150 | ISO |
|--------------------------------------------------|----------------|------------|--------|--------|--------|----|---------|--------|---------|----------|-----|
| Hydrazine                                        | Liquid         | 302-01-2   | 269    | 283    | 352    | 5  | 2.3     | 0.001  |         |          |     |
| Hydriodic acid (55-57%)                          | Liquid         | 10034-85-2 | >480   | >480   | >480   | 6  | <0.01   | 0.01   | <4.8    | >480     | 6   |
| Hydrobromic acid (48%)                           | Liquid         | 10035-10-6 | >480   | >480   | >480   | 6  | <0.04   | 0.04   | <19.2   | >480     | 6   |
| Hydrochloric acid (37%)                          | Liquid         | 7647-01-0  | >480   | >480   | >480   | 6  | <0.005  | 0.005  | <2.4    | >480     | 6   |
| Hydrofluoric acid (48-51%)                       | Liquid         | 7664-39-3  | >480   | >480   | >480   | 6  | <0.025  | 0.025  | <12     | >480     | 6   |
| Hydrofluoric acid (60%)                          | Liquid         | 7664-39-3  | 18     | 52     | 373    | 5  | na      | 0.005  |         |          |     |
| Hydrofluoric acid (70%)                          | Liquid         | 7664-39-3  | 22     | 35     | 293    | 5  | na      | 0.005  | 414     | 227      | 4   |
| Hydrogen bromide (gaseous)                       | Vapor          | 10035-10-6 | >480   | >480   | >480   | 6  | <0.0001 | 0.0001 | <0.04   | >480     | 6   |
| Hydrogen chloride (gaseous)                      | Vapor          | 7647-01-0  | >480   | >480   | >480   | 6  | <0.005  | 0.005  | <2.4    | >480     | 6   |
| Hydrogen fluoride (20-27 °C, gaseous)            | Vapor          | 7664-39-3  | imm    | imm    | 23     | 1  | na      | 0.05   |         |          |     |
| Hydrogen peroxide (50%)                          | Liquid         | 7722-84-1  | >480   | >480   | >480   | 6  | <0.01   | 0.01   | <4.8    | >480     | 6   |
| Hydrogen peroxide (70%)                          | Liquid         | 7722-84-1  | >480   | >480   | >480   | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Hydroxy 1,2,3-propanetricarboxylic acid, 2-(sat) | Liquid         | 77-92-9    | >480   | >480   | >480   | 6  | <0.005  | 0.005  | <2.4    | >480     | 6   |
| Hydroxy 1-ethanethiol, 2-                        | Liquid         | 60-24-2    | >480   | >480   | >480   | 6  | <0.08   | 0.08   | <38.4   | >480     | 6   |
| Hydroxy 2-methylpropionitrile, 2-                | Liquid         | 75-86-5    | >480   | >480   | >480   | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Hydroxy isobutyronitrile                         | Liquid         | 75-86-5    | >480   | >480   | >480   | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Hydroxy toluene                                  | Liquid         | 100-51-6   | >480   | >480   | >480   | 6  | <0.1    | 0.1    | <48     | >480     | 6   |
| Hydroxy toluene, o-                              | Liquid         | 95-48-7    | 173    | 179    | 211    | 4  | <4      | 0.02   | 674     | 295      | 5   |
| Hypophosphorus acid (50%)                        | Liquid         | 6303-21-5  | >480   | >480   | >480   | 6  | <0.09   | 0.09   | <43.2   | >480     | 6   |
| Iodomethane                                      | Liquid         | 74-88-4    | 254    | 296    | >480   | 6  | na      | 0.07   | 53.6    | >480     | 6   |
| Isobutyl methyl ketone                           | Liquid         | 108-10-1   | >480   | >480   | >480   | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Isophthaloyldichloride (45 °C, molten)           | Liquid         | 99-63-8    | >480   | >480   | >480   | 6  | <0.0001 | 0.0001 | <0.04   | >480     | 6   |
| Isopropanol                                      | Liquid         | 67-63-0    | >480   | >480   | >480   | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Isopropyl alcohol                                | Liquid         | 67-63-0    | >480   | >480   | >480   | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Isopropyl amine                                  | Liquid         | 75-31-0    | >480   | >480   | >480   | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Isopropyl benzene                                | Liquid         | 98-82-8    | >480   | >480   | >480   | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Isopropyl bromoacetate (>95%)                    | Liquid         | 29921-57-1 | >480   | >480   | >480   | 6  | <0.04   | 0.04   | <19.2   | >480     | 6   |
| Isopropylidenediphenol diglycidyl ether, 4,4'-   | Liquid         | 1675-54-3  | >480   | >480   | >480   | 6  | <0.01   | 0.01   | <4.8    | >480     | 6   |
| Kerosene                                         | Liquid         | 8008-20-6  | >480   | >480   | >480   | 6  | <0.001  | 0.001  | <0.48   | >480     | 6   |
| Ketone propane                                   | Liquid         | 67-64-1    | >480   | >480   | >480   | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |

| Hazard / Chemical Name                            | Physical State | CAS        | BT Act            | BT 0.1            | BT 1.0 | EN | SSPR    | MDPR   | Cum 480 | Time 150 | ISO |
|---------------------------------------------------|----------------|------------|-------------------|-------------------|--------|----|---------|--------|---------|----------|-----|
| Lewisite (L), FINABEL 0.7.C                       | Liquid         | 541-25-3   | >155 <sup>8</sup> | >155 <sup>8</sup> |        |    |         |        |         |          |     |
| Lewisite (L), MIL-STD-282 (100 g/m <sup>2</sup> ) | Liquid         | 541-25-3   |                   | 360 <sup>8</sup>  |        |    |         |        |         |          |     |
| Limonene d-                                       | Liquid         | 5989-27-5  | >480              | >480              | >480   | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Maleic anhydride (66 °C, molten)                  | Liquid         | 108-31-6   | 21                | 22                | 24     | 1  | 24.6    | 0.016  |         |          |     |
| Mercapto acetic acid                              | Liquid         | 68-11-1    | >480              | >480              | >480   | 6  | <0.0001 | 0.0001 | <0.04   | >480     | 6   |
| Mercapto ethanol                                  | Liquid         | 60-24-2    | >480              | >480              | >480   | 6  | <0.08   | 0.08   | <38.4   | >480     | 6   |
| Mercuric I chloride (sat)                         | Liquid         | 10112-91-1 | >480              | >480              | >480   | 6  | <0.1    | 0.1    | <48     | >480     | 6   |
| Mercury                                           | Liquid         | 7439-97-6  | >480              | >480              | >480   | 6  | <0.09   | 0.09   | <43.2   | >480     | 6   |
| Methacrylic acid                                  | Liquid         | 79-41-4    | >480              | >480              | >480   | 6  | <0.0001 | 0.0001 | <0.04   | >480     | 6   |
| Methanesulfonyl chloride                          | Liquid         | 124-63-0   | >480              | >480              | >480   | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Methanesulphonic acid                             | Liquid         | 75-75-2    | >480              | >480              | >480   | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Methanethiol                                      | Vapor          | 74-93-1    | >480              | >480              | >480   | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Methanol                                          | Liquid         | 67-56-1    | 56                | 117               | >480   | 6  | 0.14    | 0.02   |         |          |     |
| Methoxy 2-methylpropane, 2-                       | Liquid         | 1634-04-4  | >480              | >480              | >480   | 6  | <0.01   | 0.01   | <4.8    | >480     | 6   |
| Methoxy chloromethane                             | Liquid         | 107-30-2   | imm* /11          | imm* /37          | >480   | 6  | 0.75    | 0.001  |         |          |     |
| Methoxy ethanol, 2                                | Liquid         | 109-86-4   | >480              | >480              | >480   | 6  | <0.005  | 0.005  | <2.4    | >480     | 6   |
| Methoxy ethylacetate, 2-                          | Liquid         | 110-49-6   | >480              | >480              | >480   | 6  | <0.005  | 0.005  | <2.4    | >480     | 6   |
| Methyl -2-pyridyl acetate                         | Liquid         | 1658-42-0  | >480              | >480              | >480   | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Methyl 1,5-pentantedinitrile, 2-                  | Liquid         | 4553-62-2  | >480              | >480              | >480   | 6  | <0.1    | 0.1    | <48     | >480     | 6   |
| Methyl 2-methyl-2-propenoate                      | Liquid         | 80-62-6    | imm* /26          | imm* /53          |        |    | 1.4     | 0.001  |         |          |     |
| Methyl 2-pyrrolidon, N-                           | Liquid         | 872-50-4   | >480              | >480              | >480   | 6  | <0.01   | 0.01   | <4.8    | >480     | 6   |
| Methyl 4-isopropenyl-1-cyclohexene, 1-            | Liquid         | 5989-27-5  | >480              | >480              | >480   | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Methyl Ethyl Ketone Peroxide (35%)                | Liquid         | 1338-23-4  | >480              | >480              | >480   | 6  | <0.018  | 0.018  | <10     | >480     | 6   |
| Methyl N-nitrosomethanamine, N-                   | Liquid         | 62-75-9    | >480              | >480              | >480   | 6  | <0.001  | 0.001  | <0.48   | >480     | 6   |
| Methyl acetyl                                     | Liquid         | 67-64-1    | >480              | >480              | >480   | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Methyl acrolein                                   | Liquid         | 123-73-9   | 121               | 147               | >480   | 6  | <1      | 0.02   | 210     | 405      | 5   |
| Methyl acrylate                                   | Liquid         | 96-33-3    | >480              | >480              | >480   | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Methyl amine (gaseous)                            | Vapor          | 74-89-5    | >480              | >480              | >480   | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Methyl aniline, o-                                | Liquid         | 95-53-4    | >480              | >480              | >480   | 6  | <0.03   | 0.03   | <14.4   | >480     | 6   |
| Methyl benzol                                     | Liquid         | 108-88-3   | >480              | >480              | >480   | 6  | <0.05   | 0.05   | <24     | >480     | 6   |

| Hazard / Chemical Name                    | Physical State | CAS       | BT Act       | BT 0.1       | BT 1.0       | EN | SSPR    | MDPR   | Cum 480 | Time 150 | ISO |
|-------------------------------------------|----------------|-----------|--------------|--------------|--------------|----|---------|--------|---------|----------|-----|
| Methyl benzylamine, N-                    | Liquid         | 103-67-3  | >480         | >480         | >480         | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Methyl chloride (gaseous)                 | Vapor          | 74-87-3   | >480         | >480         | >480         | 6  | <0.01   | 0.01   | <4.8    | >480     | 6   |
| Methyl chloro formate                     | Liquid         | 79-22-1   | 99*<br>/175  | 204*<br>/308 | >480         | 6  | 0.17    | 0.05   | <24     | >480     | 6   |
| Methyl cyanide                            | Liquid         | 75-05-8   | 65*/83       | 131          | >480         | 6  | <0.4    | 0.03   | <82     | >480     | 6   |
| Methyl ethyl ketone                       | Liquid         | 78-93-3   | imm          | 40*/64       | >480         | 6  | 0.36    | 0.001  |         |          |     |
| Methyl ethyl ketoxime                     | Liquid         | 96-29-7   | >480         | >480         | >480         | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Methyl formamide, N-                      | Liquid         | 123-39-7  | >480         | >480         | >480         | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Methyl hydrazine                          | Liquid         | 60-34-4   | 83*<br>/206  | 183*<br>/283 | 280*<br>/413 | 5  | 0.98    | 0.01   |         |          |     |
| Methyl imidazole, 1-                      | Liquid         | 616-47-7  | >480         | >480         | >480         | 6  | <0.06   | 0.06   | <28.8   | >480     | 6   |
| Methyl iodide                             | Liquid         | 74-88-4   | 254          | 296          | >480         | 6  | na      | 0.07   | 53.6    | >480     | 6   |
| Methyl isocyanate                         | Liquid         | 624-83-9  | imm          | imm          |              |    | 0.42    | 0.001  |         |          |     |
| Methyl ketone                             | Liquid         | 67-64-1   | >480         | >480         | >480         | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Methyl mercaptan                          | Vapor          | 74-93-1   | >480         | >480         | >480         | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Methyl methacrylate                       | Liquid         | 80-62-6   | imm*<br>/26  | imm*<br>/53  |              |    | 1.4     | 0.001  |         |          |     |
| Methyl pentan-2-one, 4-                   | Liquid         | 108-10-1  | >480         | >480         | >480         | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Methyl phenols                            | Liquid         | 1319-77-3 | >480         | >480         | >480         | 6  | <0.03   | 0.03   | <14.4   | >480     | 6   |
| Methyl propan-2-ol, 2-                    | Liquid         | 75-65-0   | 10*<br>/147  | 37*<br>/205  | >480         | 6  | 0.26    | 0.02   |         |          |     |
| Methyl propenoic acid, 2-                 | Liquid         | 79-41-4   | >480         | >480         | >480         | 6  | <0.0001 | 0.0001 | <0.04   | >480     | 6   |
| Methyl pyridine, 2-                       | Liquid         | 109-06-8  | >480         | >480         | >480         | 6  | <0.024  | 0.024  | <11.5   | >480     | 6   |
| Methyl pyridine, 3-                       | Liquid         | 108-99-6  | >480         | >480         | >480         | 6  | <0.024  | 0.024  | <11.5   | >480     | 6   |
| Methyl tert-butyl ether                   | Liquid         | 1634-04-4 | >480         | >480         | >480         | 6  | <0.01   | 0.01   | <4.8    | >480     | 6   |
| Methyl trichlorosilane                    | Liquid         | 75-79-6   | >480         | >480         | >480         | 6  | <0.0001 | 0.0001 | <0.04   | >480     | 6   |
| Methyl vinyl ketone                       | Liquid         | 78-94-4   | 287*<br>/379 | >480         | >480         | 6  | <0.1    | 0.02   | <9.6    | >480     | 6   |
| Methylen Isocyclohexylamine, 4,4- (40 °C) | Liquid         | 1761-71-3 | >480         | >480         | >480         | 6  | <0.01   | 0.01   | <4.8    | >480     | 6   |
| Methylene bromide                         | Liquid         | 74-95-3   | imm          | imm          | 20           | 1  | 111     | 0.05   |         |          |     |
| Methylene chloride                        | Liquid         | 75-09-2   | imm          | imm          | imm          |    | 23.7    | 0.03   |         |          |     |
| Methylene chloride (10.000 ppm)           | Vapor          | 75-09-2   | imm          | 52           | >480         | 6  | <0.21   | 0.05   | 100     | >480     | 6   |
| Methylene chloride (1000 ppm)             | Vapor          | 75-09-2   | >480         | >480         | >480         | 6  | <0.05   | 0.05   | <24     | >480     | 6   |

|                                                  |        |          |      |      |      |   |         |        |       |      |   |
|--------------------------------------------------|--------|----------|------|------|------|---|---------|--------|-------|------|---|
| Methylene diphenyl diisocyanate, 4,4'-C, molten) | Liquid | 101-68-8 | >480 | >480 | >480 | 6 | <0.0403 | 0.0403 | <19.3 | >480 | 6 |
| Naphthalene                                      | Solid  | 91-20-3  | >480 | >480 | >480 | 6 | <0.001  | 0.001  | <0.48 | >480 | 6 |

| Hazard / Chemical Name                               | Physical State | CAS        | BT Act   | BT 0.1   | BT 1.0 | EN | SSPR    | MDPR   | Cum 480       | Time 150 | ISO |
|------------------------------------------------------|----------------|------------|----------|----------|--------|----|---------|--------|---------------|----------|-----|
| Naphthalene (25% in Diethylene glycol dimethylether) | Liquid         | 91-20-3    | >480     | >480     | >480   | 6  | <0.007  | 0.007  | <3.4          | >480     | 6   |
| Neoprene (50% in Butanol)                            | Liquid         | 126-99-8   | >480     | >480     | >480   | 6  | <0.02   | 0.02   | <9.6          | >480     | 6   |
| Nicotine                                             | Liquid         | 54-11-5    | >480     | >480     | >480   | 6  | <0.1    | 0.1    | <48           | >480     | 6   |
| Nitric acid (70%)                                    | Liquid         | 7697-37-2  | >480     | >480     | >480   | 6  | <0.04   | 0.04   | <19.2         | >480     | 6   |
| Nitric acid (>95%)                                   | Liquid         | 7697-37-2  | 14*/19   | 46       | 65*/82 | 3  | <8      | <0.03  | 34/90 min     | 134      | 4   |
| Nitric acid, red fuming (90%)                        | Liquid         | 52583-42-3 | imm      | imm*/10  | 32     | 2  | na      | 0.08   | 342/80 min    | 59       | 2   |
| Nitro benzene                                        | Liquid         | 98-95-3    | >480     | >480     | >480   | 6  | <0.02   | 0.02   | <9.6          | >480     | 6   |
| Nitro chlormethan                                    | Liquid         | 76-06-2    | >480     | >480     | >480   | 6  | <0.05   | 0.05   | <24           | >480     | 6   |
| Nitro methane                                        | Liquid         | 75-52-5    | 157      | 233      |        |    | 0.97    | 0.001  |               |          |     |
| Nitro propane, 2-                                    | Liquid         | 79-46-9    | >480     | >480     | >480   | 6  | <0.05   | 0.05   | <24           | >480     | 6   |
| Nitro toluene, 2-                                    | Liquid         | 88-72-2    | >480     | >480     | >480   | 6  | <0.03   | 0.03   | <14.4         | >480     | 6   |
| Nitrogen dioxide                                     | Vapor          | 10102-44-0 | <15      | <15      |        |    | >0.2    | 0.01   |               |          |     |
| Norflurane                                           | Vapor          | 811-97-2   | >480     | >480     | >480   | 6  | <0.04   | 0.04   | <19.2         | >480     | 6   |
| Octyl chlor formiate                                 | Liquid         | 7452-59-7  | >480     | >480     | >480   | 6  | <0.06   | 0.06   | <28.8         | >480     | 6   |
| Oleum (20% free SO3)                                 | Liquid         | 8014-95-7  | >480     | >480     | >480   | 6  | <0.06   | 0.06   | <28.8         | >480     | 6   |
| Oleum (40% free SO3)                                 | Liquid         | 8014-95-7  | 130*/220 | 455*/468 | >480   | 6  | 0.32    | 0.0001 |               |          |     |
| Oleum (65% free SO3)                                 | Liquid         | 8014-95-7  | 180      | 248      | 370    | 5  | na      | 0.04   | 398           | 428      | 5   |
| Oxalic acid (sat)                                    | Liquid         | 144-62-7   | >480     | >480     | >480   | 6  | <0.005  | 0.005  | <2.4          | >480     | 6   |
| PCB in transformer oil (mix)                         | Liquid         | mix        | 324*/428 | >480     | >480   | 6  | 0.032   | 0.01   |               |          |     |
| Pentachloroantimony                                  | Liquid         | 7647-18-9  | <15      | <15      | <15    | 1  | >10     | 0.1    |               |          |     |
| Pentanedial, 1,5- (50%)                              | Liquid         | 111-30-8   | 150      | 170      | 200    | 4  | 1.861   | 0.01   |               |          |     |
| Pentanoic acid                                       | Liquid         | 109-52-4   | >480     | >480     | >480   | 6  | <0.03   | 0.03   | <14.4         | >480     | 6   |
| Pentanol, 1-                                         | Liquid         | 71-41-0    | >480     | >480     | >480   | 6  | <0.1    | 0.1    | <48           | >480     | 6   |
| Pentanol, tert-                                      | Liquid         | 75-85-4    | >480     | >480     | >480   | 6  | <0.05   | 0.05   | <24           | >480     | 6   |
| Pentene nitrile, 2-                                  | Liquid         | 13284-42-9 | >480     | >480     | >480   | 6  | <0.02   | 0.02   | <9.6          | >480     | 6   |
| Pentyl acetate                                       | Liquid         | 628-63-7   | >480     | >480     | >480   | 6  | 0.007   | 0.001  | <10.2         | >480     | 6   |
| Peracetic Acid (32%)                                 | Liquid         | 79-21-0    | >480     | >480     | >480   | 6  | <0.0123 | 0.0123 | <6            | >480     | 6   |
| Perchloric acid (70%)                                | Liquid         | 7601-90-3  | >480     | >480     | >480   | 6  | <0.005  | 0.005  | <2.4          | >480     | 6   |
| Phenethylene                                         | Liquid         | 100-42-5   | >480     | >480     | >480   | 6  | <0.05   | 0.05   | <24           | >480     | 6   |
| Phenol (45 °C, molten)                               | Liquid         | 108-95-2   | 22       | 25       | 29     | 1  | na      | 0.05   | >355, 120 min | 56       | 2   |

| Hazard / Chemical Name                       | Physical State | CAS        | BT Act  | BT 0.1   | BT 1.0 | EN | SSPR    | MDPR   | Cum 480    | Time 150 | ISO |
|----------------------------------------------|----------------|------------|---------|----------|--------|----|---------|--------|------------|----------|-----|
| Phenol (60 °C, molten)                       | Liquid         | 108-95-2   | imm     | imm      | imm    |    | na      | 0.01   | 426/24 min | 14       | 1   |
| Phenol (85%)                                 | Liquid         | 108-95-2   | >480    | >480     | >480   | 6  | <0.05   | 0.05   | <24        | >480     | 6   |
| Phenyl acetonitrile                          | Liquid         | 140-29-4   | >390    | >390     | >390   | 5  | <0.01   | 0.01   | <4.8       | >480     | 6   |
| Phenyl amine                                 | Liquid         | 62-53-3    | >480    | >480     | >480   | 6  | <0.03   | 0.03   | <14.4      | >480     | 6   |
| Phenyl chlor formiate                        | Liquid         | 1885-14-9  | >480    | >480     | >480   | 6  | <0.06   | 0.06   | <28.8      | >480     | 6   |
| Phenyl chloride                              | Liquid         | 108-90-7   | >480    | >480     | >480   | 6  | <0.05   | 0.05   | <24        | >480     | 6   |
| Phenyl cyanide                               | Liquid         | 100-47-0   | >480    | >480     | >480   | 6  | <0.02   | 0.02   | <9.6       | >480     | 6   |
| Phenyl ethane                                | Liquid         | 100-41-4   | >480    | >480     | >480   | 6  | <0.005  | 0.005  | <2.4       | >480     | 6   |
| Phenyl ethanol, 1-                           | Liquid         | 98-85-1    | >480    | >480     | >480   | 6  | <0.005  | 0.005  | <2.4       | >480     | 6   |
| Phenyl propane, 2-                           | Liquid         | 98-82-8    | >480    | >480     | >480   | 6  | <0.05   | 0.05   | <24        | >480     | 6   |
| Phenyl trichlorosilane                       | Liquid         | 98-13-5    | >480    | >480     | >480   | 6  | <0.0001 | 0.0001 | <0.04      | >480     | 6   |
| Phosgene                                     | Vapor          | 75-44-5    | >480    | >480     | >480   | 6  | <0.02   | 0.02   | <9.6       | >480     | 6   |
| Phosphine                                    | Vapor          | 7803-51-2  | imm     | imm      |        |    | >0.11   | 0.003  |            |          |     |
| Phosphinic acid (50%)                        | Liquid         | 6303-21-5  | >480    | >480     | >480   | 6  | <0.09   | 0.09   | <43.2      | >480     | 6   |
| Phosphoric acid (85%)                        | Liquid         | 7664-38-2  | >480    | >480     | >480   | 6  | <0.005  | 0.005  | <2.4       | >480     | 6   |
| Phosphorus oxychloride                       | Liquid         | 10025-87-3 |         | >480     | >480   | 6  | <0.01   | 0.01   | <4.8       | >480     | 6   |
| Phosphorus trichloride                       | Liquid         | 7719-12-2  | >480    | >480     | >480   | 6  | <0.05   | 0.05   | <24        | >480     | 6   |
| Picoline, 2-                                 | Liquid         | 109-06-8   | >480    | >480     | >480   | 6  | <0.024  | 0.024  | <11.5      | >480     | 6   |
| Picoline, 3-                                 | Liquid         | 108-99-6   | >480    | >480     | >480   | 6  | <0.024  | 0.024  | <11.5      | >480     | 6   |
| Pimelic ketone                               | Liquid         | 108-94-1   | >480    | >480     | >480   | 6  | <0.05   | 0.05   | <24        | >480     | 6   |
| Polymethylene polyphenyle isocyanate (p-MDI) | Liquid         | 9016-87-9  | >480    | >480     | >480   | 6  | <0.005  | 0.005  | <2.4       | >480     | 6   |
| Potassium acetate (sat)                      | Liquid         | 127-08-2   | >480    | >480     | >480   | 6  | <0.07   | 0.07   | <33.6      | >480     | 6   |
| Potassium chromate (sat)                     | Liquid         | 7789-00-6  | >480    | >480     | >480   | 6  | <0.08   | 0.08   | <38.4      | >480     | 6   |
| Potassium hydroxide (45%)                    | Liquid         | 1310-58-3  | >480    | >480     | >480   | 6  | <0.023  | 0.023  | <11        | >480     | 0   |
| Potassium hydroxide (50%)                    | Liquid         | 1310-58-3  | >480    | >480     | >480   | 6  | <0.005  | 0.005  | <2.4       | >480     | 6   |
| Prop-2-en-1-al                               | Liquid         | 107-02-8   | 51* /65 | 75* /101 | >480   | 6  | <0.5    | 0.02   | 105        | >480     | 6   |
| Prop-2-en-1-al (10 g/m <sup>2</sup> )        | Liquid         | 107-02-8   | >480    | >480     | >480   | 6  | <0.04   | 0.04   | <19.2      | >480     | 6   |
| Prop-2-yn-1-ol                               | Liquid         | 107-19-7   | 123     | 123      | 127    | 4  | 37.9    | 0.07   |            |          |     |
| Propan -1-ol                                 | Liquid         | 71-23-8    | >480    | >480     | >480   | 6  | <0.02   | 0.02   | <9.6       | >480     | 6   |
| Propan -2-ol                                 | Liquid         | 67-63-0    | >480    | >480     | >480   | 6  | <0.05   | 0.05   | <24        | >480     | 6   |

| Hazard / Chemical Name                          | Physical State | CAS        | BT Act     | BT 0.1             | BT 1.0       | EN | SSPR    | MDPR   | Cum 480 | Time 150 | ISO |
|-------------------------------------------------|----------------|------------|------------|--------------------|--------------|----|---------|--------|---------|----------|-----|
| Propan -2-one                                   | Liquid         | 67-64-1    | >480       | >480               | >480         | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Propanoic acid                                  | Liquid         | 79-09-4    | >480       | >480               | >480         | 6  | <0.03   | 0.03   | <14.4   | >480     | 6   |
| Propanol, 1-                                    | Liquid         | 71-23-8    | >480       | >480               | >480         | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Propanol, n-                                    | Liquid         | 71-23-8    | >480       | >480               | >480         | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Propargyl alcohol                               | Liquid         | 107-19-7   | 123        | 123                | 127          | 4  | 37.9    | 0.07   |         |          |     |
| Propen 1-ol, 2-                                 | Liquid         | 107-18-6   | >480       | >480               | >480         | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Propenamide (50%)                               | Liquid         | 79-06-1    | >480       | >480               | >480         | 6  | <0.1    | 0.1    | <48     | >480     | 6   |
| Propene acid                                    | Liquid         | 79-10-7    | >480       | >480               | >480         | 6  | <0.06   | 0.06   | <28.8   | >480     | 6   |
| Propenenitrile, 2-                              | Liquid         | 107-13-1   | 72*<br>/91 | 73*/92             | 103          | 3  | 8.9     | 0.0085 |         |          |     |
| Propenoic acid butyl ester, 2-                  | Liquid         | 141-32-2   | >480       | >480               | >480         | 6  | <0.05   | 0.05   | >480    | >480     | 6   |
| Propenoic acid nitrile                          | Liquid         | 107-13-1   | 72*<br>/91 | 73*/92             | 103          | 3  | 8.9     | 0.0085 |         |          |     |
| Propylchloroformate                             | Liquid         | 109-61-5   | >480       | >480               | >480         | 6  | <0.03   | 0.03   | <14.4   | >480     | 6   |
| Propyl alcohol                                  | Liquid         | 71-23-8    | >480       | >480               | >480         | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Propyl amine, n-                                | Liquid         | 107-10-8   | imm        | 16*/21             | >480         | 6  | 0.52    | 0.05   |         |          |     |
| Propyl bromide, n-                              | Liquid         | 106-94-5   | >480       | >480               | >480         | 6  | <0.03   | 0.03   | <14.4   | >480     | 6   |
| Propylene aldehyde                              | Liquid         | 123-73-9   | 121        | 147                | >480         | 6  | <1      | 0.02   | 210     | 405      | 5   |
| Propylene oxide, 1,2-                           | Liquid         | 75-56-9    | 41         | 43                 | 51           | 2  | <5      | 0.03   | 1860    | 114      | 3   |
| Pyridene, 2-fluoro-6-(trifluoromethyl)          | Liquid         | 94239-04-0 | >480       | >480               | >480         | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Pyridine                                        | Liquid         | 110-86-1   | >480       | >480               | >480         | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Pyroacetic ether                                | Liquid         | 67-64-1    | >480       | >480               | >480         | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Pyrrolidine                                     | Liquid         | 123-75-1   | 40*<br>/80 | 45*<br>/100        | 145*<br>/185 | 4  | 4.7     | 0.05   |         |          |     |
| Sarin (GB), FINABEL 0.7.C                       | Liquid         | 107-44-8   |            | >1400 <sup>8</sup> |              |    |         |        |         |          |     |
| Sarin (GB), MIL-STD-282 (100 g/m <sup>2</sup> ) | Liquid         | 107-44-8   |            | >480 <sup>8</sup>  |              |    |         |        |         |          |     |
| Silane                                          | Vapor          | 7803-62-5  | >480       | >480               | >480         | 6  | <0.1    | 0.1    | <48     | >480     | 6   |
| Silicon tetrachloride                           | Liquid         | 10026-04-7 | >480       | >480               | >480         | 6  | <0.0001 | 0.0001 | <0.04   | >480     | 6   |
| Sodium bisulphite (38-40%)                      | Liquid         | 7631-90-5  | >480       | >480               | >480         | 6  | <0.07   | 0.07   | <33.6   | >480     | 6   |
| Sodium cyanide (45%)                            | Liquid         | 143-33-9   | >480       | >480               | >480         | 6  | <0.1    | 0.1    | <48     | >480     | 6   |
| Sodium cyanide (sat)                            | Liquid         | 143-33-9   | >480       | >480               | >480         | 6  | <0.07   | 0.07   | <33.6   | >480     | 6   |
| Sodium hydroxide (50% at 50 °C)                 | Liquid         | 1310-73-2  | >480       | >480               | >480         | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Sodium hydroxide (50%)                          | Liquid         | 1310-73-2  | >480       | >480               | >480         | 6  | <0.025  | 0.025  | <12     | >480     | 6   |

| Hazard / Chemical Name                                   | Physical State | CAS       | BT Act   | BT 0.1             | BT 1.0 | EN | SSPR   | MDPR   | Cum 480 | Time 150 | ISO |
|----------------------------------------------------------|----------------|-----------|----------|--------------------|--------|----|--------|--------|---------|----------|-----|
| Sodium hypochlorite (15%)                                | Liquid         | 7681-52-9 | >480     | >480               | >480   | 6  | <0.03  | 0.03   | <14.4   | >480     | 6   |
| Soman (GD), FINABEL 0.7.C                                | Liquid         | 96-64-0   |          | >1400 <sup>8</sup> |        |    |        |        |         |          |     |
| Soman (GD), MIL-STD-282 (100 g/m <sup>2</sup> )          | Liquid         | 96-64-0   |          | >480 <sup>8</sup>  |        |    |        |        |         |          |     |
| Spiritus                                                 | Liquid         | 64-17-5   | >480     | >480               | >480   | 6  | <0.02  | 0.02   | <9.6    | >480     | 6   |
| Styrene                                                  | Liquid         | 100-42-5  | >480     | >480               | >480   | 6  | <0.05  | 0.05   | <24     | >480     | 6   |
| Sulfamic acid (15%)                                      | Liquid         | 5329-14-6 | >480     | >480               | >480   | 6  | <0.04  | 0.04   | <19.2   | >480     | 6   |
| Sulfamidic acid (15%)                                    | Liquid         | 5329-14-6 | >480     | >480               | >480   | 6  | <0.04  | 0.04   | <19.2   | >480     | 6   |
| Sulfur Mustard (HD), FINABEL 0.7.C                       | Liquid         | 505-60-2  |          | >1400 <sup>8</sup> |        |    |        |        |         |          |     |
| Sulfur Mustard (HD), MIL-STD-282 (100 g/m <sup>2</sup> ) | Liquid         | 505-60-2  |          | >480 <sup>8</sup>  |        |    |        |        |         |          |     |
| Sulfur dioxide                                           | Vapor          | 7446-09-5 | 28*/46   | 28*/46             | >480   | 6  | <0.5   | 0.1    | <94     | >480     | 6   |
| Sulfuric acid (98% at 50 °C)                             | Liquid         | 7664-93-9 | >480     | >480               | >480   | 6  | <0.02  | 0.02   | <9.6    | >480     | 6   |
| Sulfuric acid (>95%)                                     | Liquid         | 7664-93-9 | >480     | >480               | >480   | 6  | <0.02  | 0.02   | <9.6    | >480     | 6   |
| Sulfuric acid diethyl ester                              | Liquid         | 64-67-5   | >480     | >480               | >480   | 6  | <0.01  | 0.01   | <4.8    | >480     | 6   |
| Sulfuric acid dimethyl ester                             | Liquid         | 77-78-1   | >480     | >480               | >480   | 6  | <0.09  | 0.09   | <43.2   | >480     | 6   |
| Sulfuric acid fuming (20% free SO <sub>3</sub> )         | Liquid         | 8014-95-7 | >480     | >480               | >480   | 6  | <0.06  | 0.06   | <28.8   | >480     | 6   |
| Sulfuric acid fuming (40% free SO <sub>3</sub> )         | Liquid         | 8014-95-7 | 130*/220 | 455*/468           | >480   | 6  | 0.32   | 0.0001 |         |          |     |
| Sulfuric acid fuming (65% free SO <sub>3</sub> )         | Liquid         | 8014-95-7 | 180      | 248                | 370    | 5  | na     | 0.04   | 398     | 428      | 5   |
| Sulfuryl chloride                                        | Liquid         | 7791-25-5 | >480     | >480               | >480   | 6  | <0.01  | 0.01   | <4.8    | >480     | 6   |
| Tabun (GA), FINABEL 0.7.C                                | Liquid         | 77-81-6   |          | >1400 <sup>8</sup> |        |    |        |        |         |          |     |
| Tabun (GA), MIL-STD-282 (100 g/m <sup>2</sup> )          | Liquid         | 77-81-6   |          | >480 <sup>8</sup>  |        |    |        |        |         |          |     |
| Tetrachloro bisphenol-A, 2,2',6,6'-                      | Solid          | 79-95-8   | >480     | >480               | >480   | 6  | <0.1   | 0.1    | <48     | >480     | 6   |
| Tetrachloro ethane, 1,1,2,2,-                            | Liquid         | 79-34-5   | >480     | >480               | >480   | 6  | <0.008 | 0.008  | <3.8    | >480     | 6   |
| Tetrachloro ethylene, 1,1,2,2,-                          | Liquid         | 127-18-4  | >480     | >480               | >480   | 6  | <0.05  | 0.05   | <24     | >480     | 6   |
| Tetrachloro methane                                      | Liquid         | 56-23-5   | imm      | imm*/11            | >480   | 6  | 0.57   | 0.001  |         |          |     |
| Tetrachloro methane (1000 ppm)                           | Vapor          | 56-23-5   | >480     | >480               | >480   | 6  | <0.05  | 0.05   | <24     | >480     | 6   |
| Tetraethylene pentamine                                  | Liquid         | 112-57-2  | >480     | >480               | >480   | 6  | <0.005 | 0.005  | <2.4    | >480     | 6   |
| Tetrafluoroethane, 1,1,1,2,-                             | Vapor          | 811-97-2  | >480     | >480               | >480   | 6  | <0.04  | 0.04   | <19.2   | >480     | 6   |
| Tetrahydrofuran                                          | Liquid         | 109-99-9  | >480     | >480               | >480   | 6  | <0.05  | 0.05   | <24     | >480     | 6   |
| Tetramethyl ammonium hydroxide (25%)                     | Liquid         | 75-59-2   | >480     | >480               | >480   | 6  | <0.01  | 0.01   | <4.8    | >480     | 6   |
| Thiazol, 1,3-                                            | Liquid         | 288-47-1  | >480     | >480               | >480   | 6  | <0.04  | 0.04   | <19.2   | >480     | 6   |

| Hazard / Chemical Name                              | Physical State | CAS        | BT Act       | BT 0.1             | BT 1.0       | EN | SSPR    | MDPR   | Cum 480 | Time 150 | ISO |
|-----------------------------------------------------|----------------|------------|--------------|--------------------|--------------|----|---------|--------|---------|----------|-----|
| Thioalkohol                                         | Liquid         | 75-08-1    | >480         | >480               | >480         | 6  | <0.01   | 0.01   | <4.8    | >480     | 6   |
| Thioglycolic acid                                   | Liquid         | 68-11-1    | >480         | >480               | >480         | 6  | <0.0001 | 0.0001 | <0.04   | >480     | 6   |
| Thionyl chloride                                    | Liquid         | 7719-09-7  | 21           | 21                 | 33           | 2  | nm      | 0.1    | nm      | 47       | 2   |
| Thiophene                                           | Liquid         | 110-02-1   | >480         | >480               | >480         | 6  | <0.01   | 0.01   | <4.8    | >480     | 6   |
| Tin chloride, mono-n-butyl                          | Liquid         | 1118-46-3  | >480         | >480               | >480         | 6  | <0.0001 | 0.0001 | <0.04   | >480     | 6   |
| Tin chloride, tri-n-butyl                           | Liquid         | 1461-22-9  |              | nm                 | >480         | 6  | nm      | 0.2    |         |          |     |
| Titan(IV) chloride                                  | Liquid         | 7550-45-0  | >480         | >480               | >480         | 6  | <0.0001 | 0.0001 | <0.04   | >480     | 6   |
| Titanium tetrachloride                              | Liquid         | 7550-45-0  | >480         | >480               | >480         | 6  | <0.0001 | 0.0001 | <0.04   | >480     | 6   |
| Toluene                                             | Liquid         | 108-88-3   | >480         | >480               | >480         | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Toluene diisocyanate, 2,4-                          | Liquid         | 584-84-9   | >480         | >480               | >480         | 6  | <0.0281 | 0.0281 | <13.5   | >480     | 6   |
| Toluene diisocyanate, 2,4- (80%)                    | Liquid         | 584-84-9   | >480         | >480               | >480         | 6  | <0.0281 | 0.0281 | <13.5   | >480     | 6   |
| Toluidine, o-                                       | Liquid         | 95-53-4    | >480         | >480               | >480         | 6  | <0.03   | 0.03   | <14.4   | >480     | 6   |
| Tributyl amine (95%)                                | Liquid         | 102-82-9   | >480         | >480               | >480         | 6  | <0.04   | 0.04   | <19.2   | >480     | 6   |
| Trichloro acetic acid (sat)                         | Liquid         | 76-03-9    | >480         | >480               | >480         | 6  | <0.03   | 0.03   | <14.4   | >480     | 6   |
| Trichloro acetone, 1,1,3- (87.7%)                   | Liquid         | 921-03-9   | 431*<br>/458 | 467*<br>/476       | >480         | 6  | <0.2    | 0.05   | <24     | >480     | 6   |
| Trichloro benzene, 1,2,4-                           | Liquid         | 120-82-1   | >480         | >480               | >480         | 6  | <0.001  | 0.001  | <0.48   | >480     | 6   |
| Trichloro ethane, 1,1,2-                            | Liquid         | 79-00-5    | 120*<br>/173 | 164*<br>/232       | 202*<br>/302 | 4  | 9.1     | 0.01   |         |          |     |
| Trichloro ethanol, 2,2,2-                           | Liquid         | 115-20-8   | >480         | >480               | >480         | 6  | <0.008  | 0.008  | <3.8    | >480     | 6   |
| Trichloro ethylene                                  | Liquid         | 79-01-6    | >480         | >480               | >480         | 6  | <0.01   | 0.01   | <4.8    | >480     | 6   |
| Trichloro methane                                   | Liquid         | 67-66-3    | imm          | imm                | imm          |    | 10.6    | 0.001  |         |          |     |
| Trichloro methane (1000 ppm)                        | Vapor          | 67-66-3    | >480         | >480               | >480         | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Trichloro phenylsilane                              | Liquid         | 98-13-5    | >480         | >480               | >480         | 6  | <0.0001 | 0.0001 | <0.04   | >480     | 6   |
| Triethyl amine                                      | Liquid         | 121-44-8   | >480         | >480               | >480         | 6  | 0.05    | 0.05   | <24     | >480     | 6   |
| Triethylenetetramine (60%)                          | Liquid         | 112-24-3   | >480         | >480               | >480         | 6  | <0.005  | 0.005  | <2.4    | >480     | 6   |
| Trifluoro acetic acid                               | Liquid         | 76-05-1    | >480         | >480               | >480         | 6  | <0.01   | 0.01   | <4.8    | >480     | 6   |
| Trifluoro methansulfonic acid                       | Liquid         | 1493-13-6  | >480         | >480               | >480         | 6  | <0.01   | 0.01   | <4.8    | >480     | 6   |
| Trimethyl chinon (30 °C, molten)                    | Liquid         | 935-92-2   |              | nm                 | >480         | 6  | nm      | 0.05   |         |          |     |
| VX Nerve Agent, FINABEL 0.7.C                       | Liquid         | 50782-69-9 |              | >1400 <sup>8</sup> |              |    |         |        |         |          |     |
| VX Nerve Agent, MIL-STD-282 (100 g/m <sup>2</sup> ) | Liquid         | 50782-69-9 |              | >480 <sup>8</sup>  |              |    |         |        |         |          |     |
| Vinyl acetate                                       | Liquid         | 108-05-4   | >480         | >480               | >480         | 6  | <0.01   | 0.01   | <4.8    | >480     | 6   |

| Hazard / Chemical Name   | Physical State | CAS       | BT Act | BT 0.1 | BT 1.0 | EN | SSPR    | MDPR   | Cum 480 | Time 150 | ISO |
|--------------------------|----------------|-----------|--------|--------|--------|----|---------|--------|---------|----------|-----|
| Vinyl benzol             | Liquid         | 100-42-5  | >480   | >480   | >480   | 6  | <0.05   | 0.05   | <24     | >480     | 6   |
| Vinyl carbinol           | Liquid         | 107-18-6  | >480   | >480   | >480   | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Vinyl chloride           | Vapor          | 75-01-4   | imm    | >480   | >480   | 6  | 0.02    | 0.001  | <9.6    | >480     | 6   |
| Vinyl cyanide            | Liquid         | 107-13-1  | 72*/91 | 73*/92 | 103    | 3  | 8.9     | 0.0085 |         |          |     |
| Vinyl ethylene (gaseous) | Vapor          | 106-99-0  | >480   | >480   | >480   | 6  | <0.01   | 0.01   | <4.8    | >480     | 6   |
| Vinylidene chloride      | Liquid         | 75-35-4   | >480   | >480   | >480   | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| White Liquor             | Liquid         | mix       |        | >480   |        |    |         |        |         |          |     |
| White spirit             | Liquid         | mix       | >480   | >480   | >480   | 6  | <0.02   | 0.02   | <9.6    | >480     | 6   |
| Xylene, mixed isomers    | Liquid         | 1330-20-7 | >480   | >480   | >480   | 6  | <0.001  | 0.001  | <0.48   | >480     | 6   |
| Xylidine, 2,4-           | Liquid         | 95-68-1   | >480   | >480   | >480   | 6  | <0.0195 | 0.0195 | <9.4    | >480     | 6   |

Important Note.

